

**BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE**

Estimate Cost Rs. 400000.00

Name of Work: Repairs and maintenance to existing borewells in ward no. 8, kodigehalli

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
A) Rewinding									
1	Lifting of Submersible pump set as per Specification and direction (P. 56 / I. 10.3.21) PRED SR (2012-13)	Each	11				11	850.00	9350.00
2	Transportation of pumping machineries (P. 56 / I. 10.3.19) PRED SR (2012-13)	Each	11				11	900.00	9900.00
3	Labour charges (over hauling) P. No. 56 / I. No.10.3.22 PRED SR (2012-13)	Job	11				11	550.00	6050.00
4	A) Repairs to Motor: Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6 months. PRED SR (2012-13) P No. 54 / I. No. 10.1 (Above 10 HP upto 20 HP add Rs.150/- for every ½ HP)								
	A) 10 HP Motor	No.	5				5	3700.00	18500.00
	upto 5 HP								
	for 10 HP (120 x 10)								
	Total								
	B) 12.5 HP Motor		6				6	4750.00	28500.00
	upto 5 HP								
	for 12.5 HP (150 x 15)								
	Total								
B) Replacement of Motor Parts:									
5	Starter (with one year Guarantee) P No. 55 / I No. 10.3.3 PRED SR (2012-13)	No.	11				11	5050.00	55550.00
6	Rotor (with one year Guarantee) P No. 55 / I No. 10.3.6) PRED SR (2012-13)	No.	11				11	4700.00	51700.00
7	Upper Flange P. No. 56 / I No. 10.3.7 PRED SR (2012-13)	No.	11				11	350.00	3850.00

SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	Lower Housing P. No. 56 / I No. 10.3.10 PRED SR (2012-13)	No.	11				11	650.00	7150.00 ✓
9	Carbon Housing P. No. 56 / I No.10.3.12 PRED SR (2012-13)	No.	11				11	475.00	5225.00 ✓
10	Thrust bearing block assembly complete with Segment bearing pad.P. No. 55 / I No.10.3.13 PRED SR (2012-13)	No.	11				11	1150.00	12650.00 ✓
	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement.								
11	Oil Seal P. No. 54 / I No.10.2.3 PRED SR (2012-13)	No.	11				11	125.00	1375.00 ✓
12	Oil Seal Steel Bush P. No. 54 / I No. 10.2.4 PRED SR (2012-13)	No.	11				11	150.00	1650.00 ✓
13	Guide vane P. No. 54 / I No. 10.2.5 PRED SR (2012-13)	No.	165				165	175.00	28875.00 ✓
14	Impeller Shell moulded with aluminium Bronze) P. No. 54 / I No. 10.2.6 PRED SR (2012-13)	No.	165				165	425.00	70125.00 ✓
15	Discharge outlet (D.O) Bearing D.O Steel Bush P. No. 55 / I No. 10.2.7 PRED SR (2012-13)	No.	11				11	445.00	4895.00 ✓
16	Steel Bush P. No.55 / I No. 10.2.9 PRED SR (2012-13)	No.	11				11	150.00	1650.00 ✓
17	Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) P. No. 55 / I No. 10.2.11 PRED SR (2012-13)	No.	11				11	950.00	10450.00 ✓
18	Non – return valve (NRV) assembly complete with rubber 'O' Ring P. No. 55 / I No. 10.2.14 PRED SR (2012-13)	No.	11				11	1350.00	14850.00 ✓
19	Cable Guard P. No. 55 / I No. 10.2.15 PRED SR (2012-13)	No.	11				11	150.00	1650.00 ✓
20	Brass Filter P. No. 55 / I No. 10.2.17 PRED SR (2012-13)	No.	11				11	250.00	2750.00 ✓
21	Re-erection charges of pumping machineries including overhauling and pointing P. No. 56 / I No. 10.3.20 PRED SR (2012-13)	Each	11				11	950.00	10450.00 ✓

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
22	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-b(1) 4 Sqm mm of 56 strands 0.3mm dia Group - A KPWD Electrical SR 2010-11	Mtr	1	260.00			260.00	151.00	39260.00
									3595.00
23	Miscellaneous and Unforeseen Charges	L/S						Total	400000.00

(Rupees Four Lakhs Only)

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per C.S.R. of PRED 2012-13.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

[Signature]
Assistant Engineer

[Signature]
Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

[Signature]
Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92

[Signature]
Executive Engineer
Byatarayanapura Division
BBMP

ADMINISTRATIVE APPROVAL	
Accorded For Rs.	Four lakhs only
Head of No.	P-1771
Div. Ref. No.	189 Date 14.12.15
<i>[Signature]</i> AE	<i>[Signature]</i> EE(BTP) 14/12

TECHNICAL SANCTION	
Accorded For Rs.	Four lakhs only
Head of No.	P-1771
Div. Ref. No.	198 Date 14.12.15
<i>[Signature]</i> AE	<i>[Signature]</i> EE(BTP) 14/12

ward 8-map



- proposed to be taken

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.